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Information Disclosure Statement by Applicant

Applicant: Hamid R. Berenji et al.

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Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

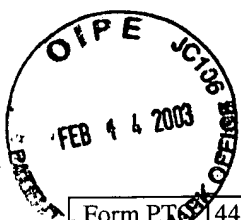
	1	R. S. Sutton et al., "Toward a Modern Theory of Adaptive Networks: Expectation and Prediction", <u>Psychological Review</u> , Vol. 88, pp. 135-170, 1981 (no month)..
	2	A. G. Barto et al., "Neuronlike Adaptive Elements That Can Solve Difficult Learning Control Problems", <u>IEEE Transactions on Systems, Man, and Cybernetics</u> , Vol. 13, pp. 834-846, September/October 1983.
	3	T. Takagi et al. "Fuzzy Identification of Systems and Its Application to Modeling and Control", <u>IEEE Transactions on Systems, Man, and Cybernetics</u> , Vol. 15, No.1, pp.116-132, January/February 1985.
	4	R. J. Williams et al., "Toward a Theory of Reinforcement-Learning Connectionist Systems", <u>Technical Report NU-CC-88-3</u> , Northeastern University, College of Computer Science, July 1988.
	5	M. Sugeno, "Structure Identification Of Fuzzy Model", <u>Fuzzy Sets and Systems</u> , Vol. 28, pp. 15-33, 1988 (no month).
	6	C. J. H. Watkins, "Learning from Delayed Rewards.", Ph.D. Thesis, Cambridge University, May 1989.
	7	H. R. Berenji, "A Reinforcement Learning-Based Architecture For Fuzzy Logic Control", <u>International Journal of Approximate Reasoning</u> , Vol. 6, No. 2, 267-292, February 1992.
	8	H. R. Berenji et al., "Learning and Tuning Fuzzy Logic Controllers Through Reinforcements", <u>IEEE Transactions on Neural Networks</u> , Vol. 3, No. 5, pp. 724-740, September 1992.
	9	B. Kosko, "Fuzzy Systems as Universal Approximators", <u>IEEE Intl. Conf. On Fuzzy Systems (FUZZ-IEEE '92)</u> , pp. 1153-1162, 1992 (no month).
	10	L.-X. Wang, "Fuzzy systems are universal approximators", <u>IEEE International Conference on Fuzzy Systems (FUZZ-IEEE '92)</u> , pp. 1163-1169, 1992 (no month).
	11	D. A White et al., <u>Handbook of Intelligent Control: Neural, Fuzzy, and Adaptive Approaches</u> , Van Nostrand Reinhold, pp. 93-139, 1992.
	12	H. Berenji et al., "Clustering in Product Space for Fuzzy Inference", <u>Second IEEE International Conference Fuzzy Systems</u> , Vol. II, pp. 1402-1407, March/April 1993
	13	H. Berenji, "Fuzzy Q-Learning: A New Approach for Fuzzy Dynamic Programming", <u>Third IEEE International Conference on Fuzzy Systems</u> , Vol. 1, pp. 486-491, June 1994.
	14	"CDG: CDMA Technology: About CDMA Technology: Introduction to CDMA", [Internet] http://www.cdg.org/tech/a_ross/Intro.asp , 2 pages, printed October 8, 2002.
	15	CDG: CDMA Technology: About CDMA Technology: Multiple Access Wireless Communications, [Internet] http://www.cdg.org/tech/a_ross/MultipleAccess.asp , 3 pages, printed October 8, 2002.
	16	CDG: CDMA Technology: About CDMA Technology: The CDMA Revolution, [Internet] http://www.cdg.org/tech/a_ross/CDMARevolution.asp , 7 pages, printed October 8, 2002
	17	CDG: CDMA Technology: About CDMA Technology: Common Air Interface, [Internet] http://www.cdg.org/tech/a_ross/CAI.asp , 1 page, printed October 8, 2002
	18	CDG: CDMA Technology: About CDMA Technology: Forward CDMA Channel, [Internet] http://www.cdg.org/tech/a_ross/Forward.asp , 5 pages, printed October 8, 2002
	19	CDG: CDMA Technology: About CDMA Technology: Reverse CDMA Channel, [Internet] http://www.cdg.org/tech/a_ross/Reverse.asp , 4 pages, printed October 8, 2002

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Form PT-1449 (Rev. 2-32)		U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. IIS-110	Serial No. 10/027,817
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Other Documents (Including Author, Title, Date, Pertinent Pages, and Technology Center R3700)				
	20	T. Jaakola et al., "Reinforcement Learning Algorithms for Partially Observable Markov Decision Problems", <u>Advances in Neural Information Processing Systems</u> , Vol. 7, pp. 345-352, 1995 (no month).		
	21	H. R. Berenji, "Fuzzy Q-Learning for Generalization of Reinforcement Learning", <u>Fifth IEEE International Conference on Fuzzy Systems</u> , Vol. 3, pp. 2208-2214, September 1996.		
	22	"Fuzzy Logic, Neural Networks, and Genetic Algorithms" Conference Advertisement, Intelligent Inference Systems Corp., Conference Date October 1996.		
	23	D. P. Bertsekas et al., <u>Neuro-Dynamic Programming</u> , Athena Scientific, 1996 (no month).		
	24	H. R. Berenji et al., "Refining the Shuttle Training Aircraft Controller", <u>Sixth IEEE International Conference on Fuzzy Systems</u> , Vol. II, pp. 677-681, July 1997.		
	25	R. S. Sutton et. al, " <u>Reinforcement Learning: An Introduction</u> ", MIT Press, 1998 (no month).		
	26	H. R. Berenji et al., "Cooperation and Coordination Between Fuzzy Reinforcement Learning Agents in Continuous State Partially Observable Markov Decision Process", <u>Proceedings of the 8th IEEE International Conference on Fuzzy Systems (FUZZ-IEEE '99)</u> , pp. 621-627, August 1999.		
	27	V. Konda et al., "Actor-Critic Algorithms", <u>Advances in Neural Information Processing Systems</u> , Vol. 12, pp. 1008-1014, November 1999.		
	28	L. C. Baird, "Gradient Descent for General Reinforcement Learning", <u>Advances in Neural Information Processing Systems 11</u> , 7 pages, 1999 (no month).		
	29	S. V. Hanly et al., "Power Control and Capacity of Spread Spectrum Wireless Networks", <u>Automatica</u> , Vol. 36, No. 12, pp. 1987-2012, 1999 (no month).		
	30	N. Bambos, et al., "Power Controlled Multiple Access (PCMA) in Wireless Communication Networks", <u>Proceedings of IEEE Conference on Computer Communications (IEEE Infocom 2000)</u> , New York, March 2000.		
	31	J. Baxter, "Reinforcement Learning in POMDP's via Direct Gradient Ascent", <u>Proceedings of the 17th International Conference on Machine Learning</u> , pp. 41-48, June 29-July 2, 2000		
	32	D. Vengerov, "Advantages of Cooperation Between Reinforcement Learning Agents in Difficult Stochastic Problems", <u>Proceedings of the 9th IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2000)</u> , pp. 871-876, 2000 (no month).		
	33	R. S. Sutton, "Policy gradient methods for reinforcement learning with function approximation", <u>Advances in Neural Information processing systems 12</u> , pp. 1057-1063, 2000 (no month).		
Examiner		Date Considered <u>12/18/03</u>		
Examiner: Initial if citation considered, whether or not citation is in conference with MPEP 609; Draw line through citation if not conformance and not considered. Include a copy of this form with the next communication to applicant.				